Part Number : 428150031
Product Description : Mini-Fit Sr. Crimp Terminal, Female, 8 AWG, Tin (Sn), USE NYE LUBE ON MATING SURFACES
Series Number : 42815
Status : Active
Product Category : Crimp Terminals



Documents and Resources

Drawings

428150031_sd.pdf

PK-42815-001-001.pdf

STEP AP242

SOLIDWORKS

Creo

Specifications

AS-42815-001-001.pdf

PS-42815-001-001.pdf

TS-42815-001-001.pdf

TS-6547-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

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- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents
- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Crimp Terminals
Series	42815
Description	Mini-Fit Sr. Crimp Terminal, Female, 8 AWG, Tin (Sn), USE NYE LUBE ON MATING SURFACES
Comments	WHEN USING OVERALL TIN PLATED TERMINALS: FOR APPLICATIONS INVOLVING VIBRATION AND/OR THERMAL CYCLING, MOLEX STRONGLY RECOMMENDS THE USE OF NYE LUBRICANT (NYOGEL 7600) ON THE MATING SURFACES OF THE TERMINAL; High Current/Low Force; See Product Specification for maximum current rating by circuit size and application.
Product Name	Mini-Fit Sr.
UPC	800754381512

Electrical

Current - Maximum per Contact	50.0A

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Physical

Gender	Female
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	1.520/g
Packaging Type	Reel
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	6.60mm max.
Wire Size (AWG)	8
Wire Size mm^2	N/A

Solder Process Data

Lead-Free Process Capability	N/A

Mates With / Use With

Use with Part(s)

Description	Part Number
10.00mm Pitch Mini-Fit Sr. Single Row Receptacle Housings	42816
Mini-Fit Sr. Dual Row Receptacle Housings	43914

Application Tooling

Global

Description	Part Number
Hand Crimp Tool for Mini-Fit Sr. Crimp Terminals, 8 AWG	2002181500
FineAdjust Applicator for Mini-Fit Sr. Crimp Terminals, 12-8 AWG	2037022500
Extraction Tool for Mini-Fit Sr.	638130400

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Terminals, 16-8 AWG	
Hand Crimp Tool for 10.00mm Pitch Mini-Fit Sr. Crimp Terminals, 8 AWG	2133099600

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